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Document No.: MS192074.1/MSFTP575US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of

Applicant: **David M. Chickering**
Serial No.: **10/809,054**
Filed: **March 25, 2004**
For: **USING TABLES TO LEARN TREES**
Art Unit: **2171**
Examiner: **Unknown**

INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents
Alexandria, Virginia 22313-1450

Sir:

1. Pursuant to 37 C.F.R. 1.97 and 1.98, and in compliance with 37 C.F.R. 1.56, the Office's attention is directed to the patents, publications and other information listed on the attached PTO-1449. A copy of each listed document is enclosed except for: (a) pending applications or (b) those previously cited or submitted to the Office in the following application(s) upon which this application relies for an earlier filing date under 35 U.S.C. 120; or (c) U.S. Patent(s) and published applications(s) since the subject application was filed after June 30, 2003.

Serial No.: _____
Filing Date: _____

Regarding any document, publication or other information for which a date is not given on the attached PTO-1449, Applicant(s) believe(s) the same may qualify as "prior" art to this application and should be treated accordingly, although Applicant(s) reserve(s) the right to contest the prior art status of any document, publication or information, should issue arise.

2. Regarding each listed document that is not in the English language, an English-language translation accompanies this Statement as indicated on the attached PTO-1449 or a concise explanation of the relevance of the document is set forth in the following document(s):

(a) ☐ Copy of each English language version of a search report indicating the degree of relevance found by the foreign office of each document being submitted from the search report.

(b) ☐ Attachment entitled "Concise Explanation of Relevance of Non-English Language Documents".

3. Pursuant to 37 C.F.R. 1.97(b) this Statement is being filed (one must be checked):

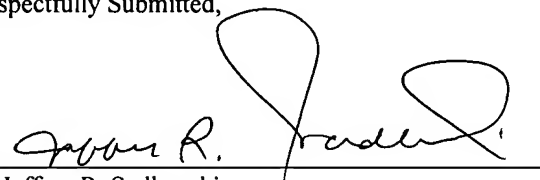
(a) ☒ Within 3 months of the filing date or date of entry into the National Stage.

(b) ☐ Before the mailing date of a first Office Action on the merits. If this Statement is not filed before the mailing date of a first Office Action on the merits, the required certification is given below or, in the absence thereof, the Office is authorized to charge the required fee set forth in 37 C.F.R. 1.17(p) to Deposit Account No. 50-1063 for consideration of this Statement.

- (c) ___ After the period set forth in 37 C.F.R. 1.97(b) but before the mailing date of either a final action or a notice of allowance.
- (1) ___ The required certification is given below, or
- (2) ___ Enclosed is a check covering the fee set forth in 37 C.F.R. 1.17(p) for consideration of this Statement, or
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4. Certification (if applicable)
- (a) ___ The undersigned hereby certifies that each item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than 3 months prior to the filing of this Statement.
- (b) ___ The undersigned hereby certifies that no item of information contained in this Statement was cited in a communication from a foreign patent office in a counterpart foreign application or, to the undersigned's knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. 1.56(c) more than 3 months prior to the filing of this Statement.
5. The Commissioner is hereby authorized to charge any additional fees or credit any overpayment to Deposit Account No. 50-1063.

Respectfully Submitted,

By


Jeffrey R. Sadlowski
Reg. No. 47,914

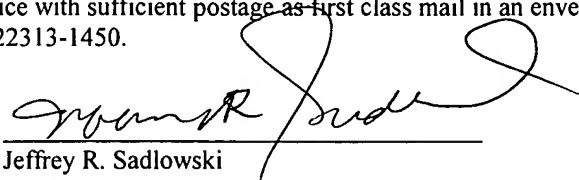
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I hereby certify that this correspondence (along with any paper referenced as being attached or enclosed) is being deposited on the below date with the United States Postal Service with sufficient postage as first class mail in an envelope addressed to Commissioner for Patents, Alexandria, Virginia 22313-1450.

Date:

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Jeffrey R. Sadlowski

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/809,054
				Filing Date	03/25/04
				First Named Inventor	David M. Chickering
				Art Unit	2171
				Examiner Name	Unknown
Sheet	2	of	2	Attorney Docket Number	MS192074.1/MSFTP575US

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
		GEOFF HULTEN, et al., Learning Bayesian Networks From Dependency Networks: A Preliminary Study, 9th International Workshop on Artificial Intelligence and Statistics, 2003, 8 pages, Key West, Florida, USA.	
		DAVID MAXWELL CHICKERING, Learning Equivalence Classes of Bayesian-Network Structures, Journal of Machine Learning Research, February 2002, pp. 445-498, Vol. 2.	
		MARGARET MITCHELL, Use of Directed Acyclic Graph Analysis in Generating Instructions for Multiple Users, Australian Symposium on Information Visualization, December 2001, pp. 57-62, Sydney, Australia.	
		DAVID HECKERMAN, et al., Dependency Networks for Inference, Collaborative Filtering, and Data Visualization, Journal of Machine Learning Research, 2000, 32 pages.	
		ANDREW MOORE, et al., Cached Sufficient Statistics for Efficient Machine Learning with Large Datasets, Journal of Artificial Intelligence Research, March 1998, pp. 67-91, Vol. 8.	
		DAVID HECKERMAN, A Tutorial on Learning With Bayesian Networks, Microsoft Research, November 1996, 57 pages.	

Examiner Signature		Date Considered	
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

1 Applicant's unique citation designation number (optional). 2 Applicant is to place a check mark here if English language Translation is attached.

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